| POSITION                  | INITIALS | ID NO. | DATE    |  |  |  |  |  |
|---------------------------|----------|--------|---------|--|--|--|--|--|
| FEE DETERMINATION         | Smil     |        |         |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |          |        | 77800   |  |  |  |  |  |
| FORMALITY REVIEW          |          | 11622  | 525 00  |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW |          | 71622  | 7.22.00 |  |  |  |  |  |

## **INDEX OF CLAIMS**

| Rejected                     | N Non-elected |
|------------------------------|---------------|
| = Allowed                    | IInterference |
| — (Through numeral) Canceled | A Appeal      |
| ÷ Restricted                 | O Objected    |

| С        | claim a Date |                      |          |         |          |          |               | Cla       | Claim Date      |          |              |           |             |          |               |          |           | Cta            | im       | Date         |              |                |                |                         |          |            |          |              |                |          |              |              |              |              |                |        |
|----------|--------------|----------------------|----------|---------|----------|----------|---------------|-----------|-----------------|----------|--------------|-----------|-------------|----------|---------------|----------|-----------|----------------|----------|--------------|--------------|----------------|----------------|-------------------------|----------|------------|----------|--------------|----------------|----------|--------------|--------------|--------------|--------------|----------------|--------|
| Г        | $\neg$       |                      | 0.530    | 2:0     | 3        |          |               |           |                 |          |              |           |             | la<br>la |               |          |           | T              |          |              |              |                |                |                         | _        | nal        |          | ĺ            |                |          |              |              |              |              |                |        |
| i i      | 9            | Original             | 2        | 6       | v        |          |               |           |                 |          |              |           | Final       | Original |               |          | İ         |                |          |              |              |                |                |                         | Final    | Original   |          |              |                |          |              |              | - 1          |              |                |        |
| تا       | = [          | $\mathcal{H}$        | 3        | _       | 02       |          | -             | -         | -               | ╁        | $\vdash$     | H         | -           | 51       |               |          |           | +              | $\dashv$ | $\dashv$     | 7            | ┪              | 1              | _                       | -        | 101        | $\neg$   | _            |                |          |              |              | _            | $\exists$    | $\neg$         | _      |
| 1        | - 2          | $\boldsymbol{arphi}$ | ŭ        | Ă       | =        | _        |               | -         | +               | +        | -            | Н         | -           | 52       |               |          |           | 十              | $\dashv$ | _            | 7            |                | 7              | _                       |          | 102        | ᄀ        |              |                |          |              |              |              |              |                |        |
| ľ        | 1            | 3                    | v        | 쉰       | Y        | _        | -             | $\vdash$  | +               | $\vdash$ |              | H         |             | 53       |               | •        |           | _              |          | _            |              |                |                | 7                       |          | 103        | T        |              |                |          |              |              |              |              |                |        |
| -        | - L          | 4                    | V        | Ŭ       | $\equiv$ |          | $\vdash$      | 1         | t               | +-       | t            | $\vdash$  |             | 54       | П             |          |           |                |          |              |              |                |                |                         |          | 104        |          |              |                |          |              |              |              |              | $\perp$        |        |
|          | K            |                      | U        | u       | •        |          | Г             |           | Γ               | Τ        | T            |           |             | 55       |               |          |           |                |          |              |              |                |                |                         | <u> </u> | 105        | _        |              |                | _        | _            |              |              | 4            | 4              |        |
| ļ        |              | ~~                   | V        | V       |          |          |               |           |                 | L        |              |           |             | 56       | Ш             |          |           |                | _        | _            |              | _              |                | _                       | -        | 106<br>107 | _        |              |                |          | _            |              | $\dashv$     | $\dashv$     | $\dashv$       | _      |
|          |              | 7)                   |          |         |          |          | L             | <u> </u>  | ╙               | ┺        | <u> </u>     | H         | -           | 57       | _             | _        | $\square$ | $\rightarrow$  |          | -            |              | $\dashv$       | -              |                         | -        | 108        | -        | -            |                |          |              |              | $\dashv$     | $\dashv$     | $\dashv$       | _      |
| Ì        | 1            | I                    | _        | $\perp$ |          |          | <u> </u>      | 1         | 1_              | ↓_       | ↓_           | $\vdash$  |             | 58       |               | _        |           |                | $\dashv$ | $\dashv$     | $\dashv$     |                | -              | -                       | -        | 109        |          | $\dashv$     |                | -        | -            | -            | -            | -            | $\dashv$       | _      |
|          | 1            | 1                    | _        | +       | 1        | ļ        | -             | $\perp$   | 1               | +        | ╀            | $\vdash$  | $\vdash$    | 59<br>60 | -             |          |           | $\dashv$       | $\dashv$ |              | -            | $\dashv$       | $\vdash$       |                         | $\vdash$ | 110        | $\dashv$ |              |                |          |              |              |              | $\dashv$     | 寸              |        |
| <u>-</u> | 4            | 1                    | -        | V       | _        | L        | $\vdash$      | +-        | +               | ╀        | +            | +         | -           | 61       | -             |          | H         | +              | -        | -            | -            |                | $\vdash$       | _                       | $\vdash$ | 111        |          |              |                |          |              | _            |              | $\dashv$     | $\dashv$       | _      |
| -        | +            | 12                   |          | _       | <u> </u> | -        | +             | +         | +               | +        | +-           | H         |             | 62       |               | -        |           | -              | $\dashv$ | $\dashv$     | $\dashv$     | -              | -              | $\dashv$                | <u> </u> | 112        |          |              |                |          |              |              |              | $\neg$       | ヿ              | _      |
| $\vdash$ | +            | 13                   | -        |         |          |          | ╁             | +         | $\dagger$       | +-       | T            | $\forall$ | -           | 63       | Г             |          | Н         | 7              |          |              |              |                |                |                         |          | 113        |          |              |                |          |              |              |              |              |                | _      |
| $\vdash$ | +            | 14                   | -        |         |          | -        | t             | $\dagger$ | $^{\dagger}$    | +        | T            | Н         | -           | 64       | Г             |          |           |                |          |              |              |                |                |                         |          | 114        |          |              |                |          |              |              |              | $\Box$       |                | _      |
| +        | _1           | 15                   | $\dashv$ |         |          | _        | T             | T         | T               | T        |              |           |             | 65       |               |          |           |                |          |              |              |                |                |                         |          | 115        |          |              | Ш              |          |              |              |              | _            | 4              | _      |
|          |              | 16                   |          |         |          |          | Ι             |           | Ι               |          |              |           |             | 66       | Ĺ             |          |           |                |          |              |              |                | Ш              | Ц                       | _        | 116        | Щ        |              | Ш              | Ш        |              |              |              |              | $\dashv$       | _      |
|          |              | 17                   |          |         |          |          | $oxed{oxed}$  | L         |                 |          |              | Ш         |             | 67       | _             | L        |           |                |          |              |              | _              |                |                         | -        | 117        | _        |              |                |          |              |              |              | $\dashv$     | $\dashv$       | _      |
|          |              | 18                   |          |         |          | L        | ┖             | 1         | $\perp$         | 1        | $\perp$      | $\sqcup$  | <u> </u>    | 68       | <u> </u>      | ļ        | -         |                | _        | - i          |              |                | _              | $\dashv$                | -        | 119        |          |              |                | -        |              |              | $\vdash$     | $\dashv$     | $\dashv$       | -      |
| L        |              | 19                   |          |         |          | L        | $\perp$       | -         | 1               | 4-       | ╀            | $\vdash$  | <u> </u>    | 69       | +             |          | -         | -              |          | $\vdash$     |              | _              |                | Н                       | $\vdash$ | 120        |          |              | -              |          |              |              |              |              | $\dashv$       | Г      |
| L        |              | 20                   |          |         | _        |          | 1             | ┸         | $\perp$         | 1        | _            | $\perp$   | $\vdash$    | 70       | -             | _        | _         | $\dashv$       |          |              |              |                | H              |                         | -        | 121        | -        | $\vdash$     | -              |          |              |              | -            | Н            | -+             |        |
| L        | _            | 21                   |          | _       | L        | L        | $\perp$       | +-        | +               |          | ╁            | H         |             | 71       |               |          | ├-        |                |          | H            |              | _              |                | Н                       | -        | 122        |          | -            |                | -        | _            | _            |              |              | 1              | Г      |
| -        |              | 22<br>23             |          | _       | -        | L        | +-            | +         | +               | +        | ╁            | +         |             | 73       |               | -        | -         | Н              |          |              |              |                |                |                         | -        | 123        |          |              |                |          | -            |              | -            | $\Box$       |                | Г      |
| -        | -            | 24                   |          | -       |          | $\vdash$ | +             | ╁         | +               |          | +            | +         | -           | 74       |               |          | +         |                |          |              |              |                | <u> </u>       |                         |          | 124        | Г        |              |                |          | Г            |              |              |              |                |        |
| +        | -            | 25                   |          | H       | ┢        | ╁        | +             | +         | +               | +-       | $\dagger$    | +         | F           | 75       | _             | Ι-       | T         |                |          |              |              |                |                |                         |          | 125        |          |              |                |          |              |              |              |              |                | L      |
| t        |              | 26                   |          | -       |          | t        | $\dagger$     | +-        | $^{\dagger}$    | +        | T            | $\Box$    | -           | 76       |               |          |           |                |          |              |              |                |                |                         |          | 126        |          |              |                |          | _            |              | L-           |              |                | L      |
| F        | _            | 27                   |          |         |          | T        | 1             |           | 1               |          | T            |           |             | 77       |               |          | L.        |                |          |              |              |                | L.             | Ш                       | <u> </u> | 127        | _        |              |                | L        | ļ            |              | _            |              |                | L      |
| r        |              | 28                   | -        |         |          |          |               |           |                 |          | I            |           |             | 78       |               | L        | <u> </u>  |                |          |              |              |                | _              |                         | -        | 128        |          | _            | -              |          |              | ļ            | <u> </u>     |              | $\vdash$       | -      |
|          |              | 29                   |          |         |          |          |               |           |                 | l        | L            |           | Ĺ           | 75       | _             | <u> </u> | ļ.,       |                | ļ.,      |              | _            | _              | <u> </u>       | $\vdash$                | -        | 129        | -        |              | $\vdash$       | ⊢        | ļ -          | $\vdash$     | <u> </u>     |              | Н              | H      |
|          |              | 30                   |          | _       |          | Ļ        | $\downarrow$  | 1         | _               |          | ╀            | $\perp$   |             | 80       |               | -        | -         | -              | _        | -            | _            | -              | -              | H                       | $\vdash$ | 13         | -        |              | $\vdash$       |          |              | -            | H            | $\vdash$     | H              | -      |
| L        |              | 31                   |          |         | -        | L        | 1             | +         | -               | +        | -            | +1        | $\vdash$    | 8        | _             | -        | ┾         | ├              |          | -            | $\vdash$     | ļ              | ⊢              | H                       | -        | 132        |          | $\vdash$     | $\vdash$       | $\vdash$ | <del> </del> | $\vdash$     | -            | $\vdash$     | Н              |        |
| ŀ        |              | 32                   |          | -       | -        | +        | +             | +         | +               |          | +            | +         | -           | 83       |               | +        | +-        | ┢              | -        | -            | -            |                | -              | $\vdash$                | -        | 133        |          | -            | $\vdash$       | İΤ       | ┢            | H            | <u> </u>     |              |                | r      |
| $\vdash$ |              | 34                   |          |         | +        | ╀        | +             | +         | +-              | +        |              | +         |             | 84       |               | ╁        | +         |                | -        |              |              | -              | T              |                         |          | 13         | -        | T            |                | †        |              |              |              |              |                |        |
| H        |              | 35                   | -        | -       | ╁        | +        | +             |           | +               | +        | +-           | +         | -           | 8        |               | t        | †-        | $\vdash$       | t-       | İ            | -            |                | T              |                         |          | 13         |          |              |                | T        |              |              |              |              |                | Ĺ      |
| -        |              | 36                   |          | -       | t        | t        | +             | +         | +               | +        | $\dagger$    | +         |             | 86       | 3             | Τ        | 1         |                |          |              |              |                |                |                         |          | 130        |          |              |                |          | _            | 1            | <u> </u>     |              |                | <br> - |
| t        |              | 37                   | -        |         | 1        | T        | T             | $\top$    | $\top$          | 1        | 1            | 1         |             | 8        |               |          |           |                |          |              |              | L              | <u> </u>       | Ц                       |          | 13         | + -      | ļ.,          | -              |          | ┞.           | _            | <u> </u>     | -            | $\sqcup$       | 1      |
|          | <b>⊸</b> ∘   | 38                   |          | 1       |          |          | T             |           |                 |          | Ι.           |           |             | 8        |               | ļ_       | <u> </u>  | 1_             |          | ļ            | <u>_</u>     | <u> </u>       | _              |                         | $\vdash$ | 138        |          | ↓_           | ╀              | -        | <del> </del> | -            | -            | H            |                | H      |
|          |              | 39                   |          |         | I        |          |               |           | l               |          |              |           |             | 8        |               | 1        | -         | <u> </u>       | _        | Ł            |              | -              | <del> </del> − | 1                       | ļ        | 139        | +        | +-           | ÷              |          | -            | ╀            | <del> </del> | ├            | H              | t      |
| [        |              | 40                   |          |         |          |          |               | 1         | $\perp$         |          | 1            | $\perp$   | <u> </u> _  | 9        | $\rightarrow$ | <u> </u> | $\perp$   | <u> </u>       | _        | -            | -            | i -            | -              | $\downarrow \downarrow$ | -        | 140        | +        | <u> </u>     | -              | :        | +-           | +            | +-           | <del> </del> | <del>-</del> - | ÷-     |
|          |              | 41                   |          |         | -        | 1        |               | _         | l               | $\perp$  | 1            | $\perp$   |             | 9        | <u> </u>      | 1        | į.        | <u> </u>       | -        | <u> </u>     | L            | -              | -              | ij                      | <u> </u> | 14         |          | 1            | <del>i</del> - | $\vdash$ | -            | $\vdash$     | +-           |              |                | 1      |
|          |              | 42                   | !        | 1       |          | Ļ        | 1             | 1         | 4               | $\perp$  | $\downarrow$ | +         | -           | 9        |               | <u> </u> | +         | -              | -        | <del> </del> | $\vdash$     | <del> </del> - | -              | ++                      | -        | 14         |          | -            | ╁              | -        | -            | -            | <u> </u>     | $\vdash$     | -              | ÷      |
|          |              | 43                   | <u> </u> | ⊣       | 1        | 1        | +             | +         | -               | +        | - -          | -         | -           | 9        |               | +        | -         | +              | -        | $\vdash$     | -            | -              | ╁              | $\vdash$                | -        | 14         | ÷        | +            | Ť              | -        | +            | -            | -            | $\vdash$     | +              | 1      |
| į        |              | 44                   |          | -       | +        | +        | +             |           | 4               | +        | +            | -         | -           |          | 5             | +-       | $\dot{+}$ | <del> </del> - | $\vdash$ | +-           |              | +-             | ÷              | 1                       | -        | 14         | -        | <del>-</del> | ;              | +-       | i            | <del>-</del> | +            | -            | $\vdash$       | T      |
| i        |              | 45                   |          | ÷       | -        | +        | -             | ÷         | <del>- i-</del> | ÷        | ÷            |           | i           | 9        |               | +        | +         | +              | :        | +            | H            | +              |                | $\Box$                  |          | 14         |          | !            | Т              | T        | ,            | +            | <del> </del> | 1            | T              | Ť      |
| ŀ        |              | 46                   |          |         | :        | +        | <del>-:</del> | ÷         | ÷               |          | +            | ÷         | H           | 19       |               | ;        | 1         | -              | -        | †-           | 1            | †              | +              | 11                      | -        | 114        | -        | T            | +              | 1        | !            |              | 1_           |              |                | Ţ      |
| į        | _            | 148                  |          | +       | ÷        | +        | ÷             |           |                 |          | -:-          | -         | : ' <u></u> | 9        |               | -        |           | •              | :        | :            | <del>-</del> | ÷              | :              |                         | :-       | 14         |          | 1            | 1              |          | !            | 1            | L            | 1            | : -            | -      |
|          |              | 49                   | _        | ÷       |          | _        | -             |           |                 |          |              |           |             | . 9      | 9             | 1        | ï         | ;              |          | -            | :            | 1              |                |                         |          | 14         | 9        |              |                |          | :            | :_           |              | 1_           | 上              | :      |
| -        |              | 50                   |          | ,       |          | ÷        | ÷             | -         |                 |          |              |           |             | 11       | 00            |          |           |                |          |              |              |                |                |                         | _        | 15         | 0        | ,            | 1              |          |              |              |              | <u>!</u>     |                |        |

If more than 150 claims or 10 actions staple additional sheet here